



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 92 18 45

Classification of the application (IPC):
H01L 29/778, H01L 29/40, H01L 29/20

Technical fields searched (IPC):
H01L

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X Y	US 2016260615 A1 (HIRAI TOMOHIRO [JP] ET AL) 08 September 2016 (2016-09-08) * paragraphs [0003], [0049] - [0060], [0114], [0115]; figures 1-3, 27, 28 *	1-5, 7-11 6
X Y	US 2015295053 A1 (KOBAYASHI KEVIN WESLEY [US] ET AL) 15 October 2015 (2015-10-15) * paragraphs [0004], [0020] - [0023], [0031]; figures 1-3, 7 *	1-5, 8-11 6
X Y	US 2011291203 A1 (MIYAO AKIO [JP]) 01 December 2011 (2011-12-01) * paragraphs [0027] - [0036], [0066]; figures 1, 2, 5 *	1, 3-5, 7-11 6
X	CN 112038402 A (VANGUARD INT SEMICONDUCT CORP) 04 December 2020 (2020-12-04) * paragraphs [0044] - [0060], [0068] - [0070]; figures 1, 2, 7-9 *	1-11
A	US 2019280092 A1 (LIN HSIN-CHIH [TW] ET AL) 12 September 2019 (2019-09-12) * paragraph [0036]; figure 2C *	3

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 22 January 2024	Examiner Seck, Martin
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 22-01-2024.
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